

# Hackathon Competition 2024

HACK A DAY <sup>2</sup>  
Securing identity

September 2024



# Hackathon Topic: About the Challenge

## Objective:

Develop a secure, cloud-based application that leverages **Biometrics Authentication** to elevate user security.

## Things to consider:

- Usage of biometrics to authenticate users for **securing identity** verification
- Design an intuitive **registration and authentication process** that emphasizes user-friendliness
- Implement **data security** measure to protect biometric data
- a comprehensive, fully integrated solution to demonstrate complete **end-to-end flow**

## Challenge:

Integrate biometric authentication into a **real-world scenario** where it significantly enhances value or transforms the user experience. Explore creative ways to **extend** the use of biometric data beyond authentication.

# Skills required to complete the challenge and pre-reads to get you prepared

Getting started: the following learning materials may be useful to guide you understand cloud and the services for this hackathon topic:

- Facial Recognition
  - Amazon Rekognition
    - Overview: <https://docs.aws.amazon.com/rekognition/latest/dg/faces.html>
    - Tutorial: <https://docs.aws.amazon.com/rekognition/latest/dg/identity-verification-tutorial.html>
  - Azure Cognitive Services
    - Overview: <https://learn.microsoft.com/en-us/azure/ai-services/computer-vision/overview-identity>
    - Tutorial: <https://learn.microsoft.com/en-us/azure/ai-services/computer-vision/tutorials/liveness?tabs=windows%2Ccsharp%2Cmobile-kotlin>
- Basic understanding/experience on developing an architecture/application on AWS or Microsoft Azure
  - AWS Training: <https://aws.amazon.com/training/>
  - Microsoft Learn: <https://docs.microsoft.com/en-us/training/>

# Thank you

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